

Amendments to the Specification:

OK TO ENTER: /R.S.S./

06/09/2009

Please amend Page 2 first paragraph under the heading Brief Description of the Drawing in the following manner:

Fig. 1 illustrates grey matter suppressed (GMS) and white matter suppressed (WMS) MRI images that include the substantia nigra pars compacta (SNc) and corresponds to Fig. 2 in article (2) cited below above.

-

Please amend Page 4 the first paragraph under the heading Detailed Description in the following manner:

As described in the two articles cited above and hereby incorporated by reference herein, the possibility of detecting Parkinson's disease using MRI has been a ~~long-sough~~ long-sought goal.

Please amend the paragraphs on pages 6 and 7 in the following manner:

Fig. 4 in this patent specification is a non-color copy of Fig. A in article (1) cited above. The Upper row shows upper and lower ratio images of a normal object. The substantia nigra pars compacta (SNc) reaches the edge of the peduncle in the upper slice and becomes smaller in the lower slice. The substantia nigra pars reticulata (SNR) is also seen in the upper slice, extending into the corticospinal tracts anteriorly. The ~~eeleur~~ gray-scale bar shows the ~~psuedocolour~~ shade used for display and ranges from 0 to 225 (bottom to top). The ratio image of an early case shows, in the upper slice, thinning and loss of signal in the lateral part of the SNc. The lower slice shows islands of destruction. The ratio images of an advanced stage show considerable signal loss in the SNc in both upper and lower slices. In addition, the SNc is essentially reduced to two rings of preservation in the lower slice.

Fig. 5 in this patent specification is a non-color copy of Fig. B in article (1) cited above, in which the green dots in the color original are replaced with marks "x". The graph is a plot of